



# Safe and reliable: T-slot cylinder sensors in hazardous atmospheres.



**Wear-free and robust sensor for the categories 1G/1D (zones 0/20).**

- Namur sensor developed to the EN 60947-5-6 standard.
- Everything from a single source: sensor and switching amplifier available.
- One sensor which can be used for different cylinder types.
- Easy single-handed installation with clamp fixing.
- Drop from the top into a slot.

<p>AMR Technology</p>	<p>IP 65 IP 67</p>	<p>Ex II 1D / 1G ATEX</p>	<p>Vibration and shock resistant</p>
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## The family is growing

The T-slot cylinder sensors for ATEX Namur applications complement the ifm range of cylinder sensors for pneumatic cylinders.

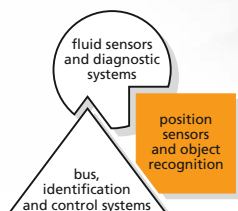
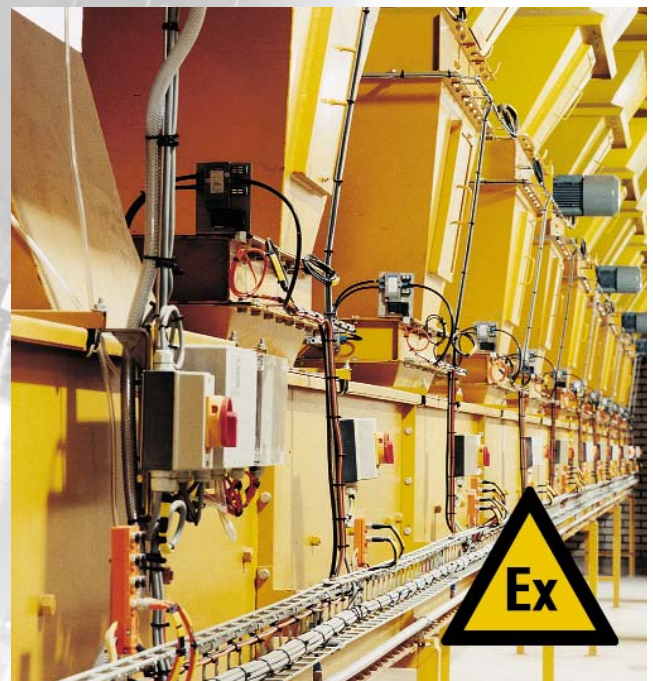
## Good fixing and easy installation

The ifm sensors have the following proven advantages: self-locking mechanism, strain relief, easy single-handed installation, clearly visible LED display for the switching status.


## Wide range of adapters

With the range of accessories, these sensors can be fixed to common T-slot, tie rod, integrated profile or trapezoidal slot cylinders.

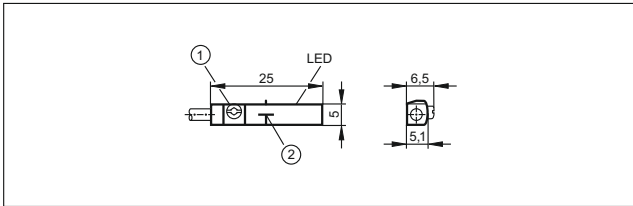
In addition to the sensors, ifm offers a wide range of switching amplifiers.



**Applications:**  
Silo hatches, elevators, mills or conveying technology.

Equipment group / ATEX category	Type / Dimensions [mm]	Nominal voltage [V]	Protection	Ambient temperature [°C]	Housing material	Order no.
<b>Connection cable 6 m PVC · output function  · 2-wire</b>						
II, 1D/1G	25 x 6.5 x 5	8.2 DC	IP 65 / IP 67, III	-25...70	PA, stainless steel	<b>MK502A</b>

**Dimensions**










- 1) Clamping screw
- 2) Sensing face

**Technical data**

LED display		yellow
Repeatability	[mm]	< 0.2
Reverse polarity protection		•
Hysteresis	[mm]	typ. 1
Travel speed	[m/s]	> 10
Response sensitivity	[mT]	typ. 2.0

**Accessories**

Type	Description	Order no.
	Adapter for trapezoidal slot cylinder, aluminium alloy	<b>E11796</b>
	Adapter for tie rod / profile cylinders, clamping range 5...11 mm, aluminium	<b>E11797</b>
	Adapter for tie rod / profile cylinders, clamping range 9...15 mm, aluminium	<b>E11799</b>
	Switching amplifier, 1 channel, relay output	<b>N0530A</b>
	Switching amplifier, 2 channels, relay output	<b>N0533A</b>
	Switching amplifier, 1 channel, transistor output	<b>N0531A</b>
	Switching amplifier, 2 channels, transistor output	<b>N0534A</b>

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**Position sensors and object recognition**